

ABSTRACT

A magnetron that includes a choke coil which is connected at one end to a cathode terminal and at the other end to a capacitor to form an LC circuit. The choke coil is made up of a first core type inductor, a second core type inductor and an air-core inductor, connected to the cathode terminal, all of which are connected in series and where the first and second core type inductors are separated by a 1mm to 6mm gap. The first and second core type inductors have a bar like, high-frequency absorbing member located within their respective windings.